

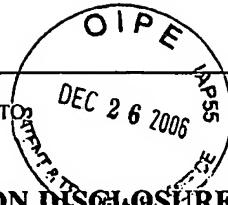
Substitute for form 1449/PTO (Revised 04/2003)				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Bing
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	038190/269367

**OTHER DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
RF	19	Chris Waldhart, "Analysis of Tow-Placed, Variable-Stiffness Laminates," Mater's Thesis, Virginia Polytechnic Institute, June 5, 1996, pgs. 1-35.	
RF	20	Brian Tatting and Zafer Gurdal, "Design and Manufacture of Tow-placed Variable Stiffness Composite Laminates with Manufacturing Considerations," 13 <sup>th</sup> US National Congress of Applied Mechanics, June 25, 1998.	
RF	21	Patrick Morelle and R. Radovcic, "CAD Based Optimization of Composite Structures," Proceedings of Sixth Int. Conference on OPT, March 16-18, 1999, pgs. 311-320.	
RF	22	Jani J. Shah, Mary T. Rogers, Palat C. Sreevalsan, David W. Hsiao, Abraham Mathew, Anant Bhatnagar, Bongee B. Liou and David W. Miller, "The A.S.U. Features Testbed: An Overview," Arizona St. Univ. pgs. 233-241, 1990.	

Examiner Signature	/Russell Frejd/	Date Considered	09/16/2006
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



**Substitute for form  
(Revised 04/2003)**

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
*(Use as many sheets as necessary)*

(Use as many sheets as necessary)

Sheet

1

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**Attorney Docket Number**

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**Complete if Known**

Application Number 10/766,177

**Filing Date** 01/28/04

**First Named Inventor** Bing-Chung Chen, et al.

Group Art Unit 2128

Confirmation No. 3688

Examiner Name Russell W. Warren Frejd

**Attorney Docket**

## **U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
RF	23	JP 08-229183	09/10/1996	Mizuno Corp.	—	*Abstract Only
Examiner Signature	/Russell Frejd/			Date Considered	02/12/2007	

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

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(Revised 04/2003)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	2	of	2	Attorney Docket Number	038190/269367
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**Complete if Known**

Application Number	10/766,177
Filing Date	01/28/04
First Named Inventor	Bing-Chung Chen, et al.
Group Art Unit	2128
Confirmation No.	3688
Examiner Name	Russell W. Warren Frejd

**OTHER DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
RF	24	A.L. Velocci, "R&D Unit Pressed to Save \$1 Billion," Aviation Week and Space Technology, May 11, 1998, pp. 75-76	
	25	E.H. Phillips, "Premier 1 Readied for First Flight," Aviation Week and Space Technology, August 31, 1998, p. 39	
	26	R. Flory and E. Bernardon, "Effect of Steering and Conformance Requirements on Automated Material Deposition Equipment," Charles Stark Draper Laboratory, Inc. technical capability document , pp. 1-11. <i>No Date Available</i>	
	27	V.P. McConnell, "Fiber-placed C-17 Landing Gear Pod Fairings Reduce Price and Parts - Carbon Fiber/Epoxy Unidirectional Towpreg," High Performance Composites, July/August 1998, pp. 48-50	
	28	B. Davidson, et al., "An Expert System for the Design and Analysis of Composite Structures", Am. Helicopter Society Conf. And Specialists Mtg. Sep. 21-23, 1993	
	29	C.M.L. Wu et al., "A knowledge based expert system for laminated composite strut design", Aeronautical Journal, Jan. 1991, pgs. 1-20	
	30	C.M.L. Wu, "Bolted joints in a laminated composite strut design expert system", Composite Structures 22, 1992, pgs. 63-85	
	31	D. Sriram et al., "Knowledge-Based Expert Systems in Structural Design", Computers & Structures, Vol. 20, No. 1-3, pgs. 1-9, 1985	
	32	J. J. Shah et al., "Analysis of design abstraction, representation and inferencing requirements for computer-aided design", 1989, pp. 1-10.	
	33	J.P.H. Webber et al., "An Expert System for Laminated Plate Design Using Composite Materials", Computers & Structures, Vol. 37, No. 6, p. 1051-1-67, 1990	
	34	D.P. Costin et al., "Optimum Design of a Composite Structure with Manufacturing Constraints", Thin-Walled Structures 17, pgs. 185-202, 1993	
	35	H. Yoshiura, et al., "Top-Down Construction of 3-D Mechanical Object Shapes from Engineering Drawings", IEEE, Dec. 1984, pgs. 32-40	
	36	T.C. Woo, "Interfacing Solid Modeling to CAD and CAM: Data Structures and Algorithms for Decomposing a Solid", IEEE, Dec. 1984, pgs. 44-49	
↓	37	A.A.G. Requicha et al., "Representation of Geometric Features, Tolerances, and Attributes in Solid Modelers Based on Constructive Geometry", IEEE Journal of Robotics and Automation, Vol. RA-2 No. 3, Sep. '86	
RF	38	Y.H. Pao et al., "Memory Driven Feature-Based Design", Interim Report Feb. 1988-Dec. 1992	
Examiner Signature	/Russell Frejd/		Date Considered 02/12/2007

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